

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Previously Presented): A loudspeaker comprising
a first diaphragm and second diaphragm, the first and second diaphragms being flat
panels arranged in parallel with a continuous fluid-filled gap between them and having
essentially equal impedance, and
at least one piezoelectric actuator coupled by a first end to said first diaphragm and a
second end to said second diaphragm to simultaneously excite vibrations in said first and second
diaphragm.

Claim 2 (Canceled).

Claim 3 (Previously Presented): The loudspeaker of claim 1, wherein the first and
second diaphragms are essentially identical.

Claim 4 and 5 (Canceled).

Claim 6 (Previously Presented): The loudspeaker of claim 1, wherein the
diaphragms are separated by less than one tenth of their smallest lateral dimension.

Claim 7 (Currently Amended): The loudspeaker of claim 1, wherein the
diaphragms are separated by an [[a]] average distance of less than ten millimetres.

Claims 8 and 9 (Canceled).

Claim 10 (Previously Presented): The loudspeaker of claim 1, wherein the actuator is a coiled-coil piezoelectric bender.

Claim 11 (Currently Amended): The loudspeaker of claim 1, wherein the height of the actuator exceeds a minimal spacing between the first and the second diaphragms ~~diaphragm~~.

Claim 12 (Previously Presented): The loudspeaker of claim 1, mounted by suspending the diaphragms on cables.

Claim 13 (Currently Amended): The loudspeaker of ~~any one~~ of claim 1, mounted by a support element extending between the diaphragms.

Claim 14 -18 (Canceled).

Claim 19 (Previously Presented): The loudspeaker of claim 1, comprising a plurality of said piezoelectric actuators.

Claim 20 (Currently Amended): The loudspeaker of claim 1, wherein an ~~the~~ acoustic output of the first and second diaphragms is balanced.

Claim 21 (Currently Amended): The loudspeaker of claim 1, wherein the at least one piezoelectric actuator is arranged to excite vibrations in said first and second diaphragms ~~diaphragm~~ in a pistonic mode.

Claim 22. (Currently Amended): The loudspeaker of claim 1, wherein the at least one piezoelectric actuator is arranged to excite vibrations in said first and second diaphragms ~~diaphragm~~ in a bending wave mode.

HOOLEY et al.

Serial No. 10/528,106

Response to Office Action dated January 31, 2007

Claim 23 (Currently Amended): The loudspeaker of claim 1, wherein the at least one piezoelectric actuator is arranged to excite vibrations in said first and second diaphragms ~~diaphragm~~ in a mixture of a pistonic mode and a bending wave mode.